What is claimed is:

- A compound 8 to 50 nucleobases in length targeted to a nucleic acid molecule encoding acyl CoA cholesterol acyltransferase-2, wherein said compound specifically hybridizes with and inhibits the expression of a nucleic acid molecule encoding acyl CoA cholesterol acyltransferase-2.
 - 2. The compound of claim 1 which is an antisense oligonucleotide.
- 3. The compound of claim 2 wherein the antisense oligonucleotide has a sequence comprising SEQ ID NO: 21, 23, 24, 25, 26, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 42, 43, 46, 47, 48, 49, 54, 55, 56, 57, 58, 62, 63 or 65.
- 4. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified 15 internucleoside linkage.
 - 5. The compound of claim 4 wherein the modified internucleoside linkage is a phosphorothicate linkage.
 - 6. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified sugar moiety.
- 7. The compound of claim 6 wherein the modified sugar moiety is a 2'-O-methoxyethyl sugar moiety.
 - 8. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified nucleobase.
- 9. The compound of claim 8 wherein the modified 25 nucleobase is a 5-methylcytosine.

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- 10. The compound of claim 2 wherein the antisense oligonucleotide is a chimeric oligonucleotide.
- 11. A compound 8 to 50 nucleobases in length which specifically hybridizes with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding acyl CoA cholesterol acyltransferase-2.
 - 12. A composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier or diluent.
- 13. The composition of claim 12 further comprising a 10 colloidal dispersion system.
 - 14. The composition of claim 12 wherein the compound is an antisense oligonucleotide.
- 15. A method of inhibiting the expression of acyl CoA cholesterol acyltransferase-2 in cells or tissues comprising contacting said cells or tissues with the compound of claim 1 so that expression of acyl CoA cholesterol acyltransferase-2 is inhibited.
- 16. A method of treating an animal having a disease or condition associated with acyl CoA cholesterol acyltransferase-2 comprising administering to said animal a therapeutically or prophylactically effective amount of the compound of claim 1 so that expression of acyl CoA cholesterol acyltransferase-2 is inhibited.
- 17. The method of claim 16 wherein the condition 25 involves abnormal lipid metabolism.
 - 18. The method of claim 16 wherein the condition involves abnormal cholesterol metabolism.

ISPH-0588 - 93 - PATENT

19. The method of claim 16 wherein the condition is atherosclerosis.

20. The method of claim 16 wherein the disease is cardiovascular disease.

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